

Blood Product Transfusion Record



Transfusion number ___ of ___

Date:		Emergency contact number:	
Patient name:			Weight:
Patient ID:			Age:
Species:		Breed:	Sex:
Blood type:		Typing method: Alvedia quick test <input type="checkbox"/> Commercial Lab <input type="checkbox"/> Other <input type="checkbox"/>	
Previous transfusions: Yes <input type="checkbox"/> No <input type="checkbox"/>		if yes; date of most recent transfusion:	
Previous pregnancies: Yes <input type="checkbox"/> No <input type="checkbox"/>		Other relevant hx: _____	

Diagnosis: _____

Problem list:

1. _____	4. _____
2. _____	5. _____
3. _____	6. _____

Red blood cell transfusion volume requirements*:

n = 90 for dogs / 60 for cats

$$\text{ML required} = \frac{\text{Target PCV} - \text{Recipient PCV} \times \text{KG} \times \text{n}}{\text{Donor PCV}}$$

$$\text{ML required} = \text{_____ mls}$$

(Donor PCV can be estimated at 60-65% for PRBC products)

Transfusion product:	PRBC <input type="checkbox"/>	Frozen plasma <input type="checkbox"/>	Fresh whole blood <input type="checkbox"/>
	FFP <input type="checkbox"/>	Cryoprecipitate <input type="checkbox"/>	Cryosupernatant <input type="checkbox"/>
Product volume (ml): _____	Unit/Donor ID number: _____		
	whole unit <input type="checkbox"/>	1/2 unit <input type="checkbox"/>	
Product Source: PBB <input type="checkbox"/> In-house Donor <input type="checkbox"/> Other: _____	Product Compatible?: Yes <input type="checkbox"/> No <input type="checkbox"/>		
Cross-match performed: Yes <input type="checkbox"/> No <input type="checkbox"/>	Cross-match type: Alvedia <input type="checkbox"/> Manual <input type="checkbox"/>		

Transfusion monitoring chart

	0	15 min	30 min	1 hr	2 hr	3 hr	4 hr	6 hr	8 hr	Comments
Start Time										
Stop Time										
Rate (ml/h)										
Temperature										
Pulse										
Resp rate										
Mm/CRT										
BP (doppler/occil.)										
Vomiting (+/-)										
Dyspnoea (+/-)										
Hb										
PCV (%)										
TP (g/L)										
Platelets										
PT (sec)										
aPTT (sec)										
ACT (sec)										

Clinician name (Print) & Signature _____ Date _____

Nurse name (Print) & Signature _____ Date _____

General Advice for Transfusions

All transfusions should be completed within 4 hours to ensure that blood products remain uncontaminated.

All patients receiving products other than plasma should be typed and only type-compatible blood products should be used for each patient

Cross-matching is essential if the patient has ever received any kind of blood product transfusion more than 4-5 days previously

Monitoring

Patients should be monitored constantly during the first 30 minutes of a transfusion, and regularly monitored for the duration of the transfusion

Transfusion Reactions

Common signs of transfusion reaction include restlessness, pruritis, urticaria, vomiting, tachypnoea, tachycardia, and hypotension. If any reaction is seen, the transfusion should be stopped and the patient should be treated appropriately in accordance with standard medical therapy.

Red Cell Transfusion Volumes

For red cell transfusions, the following equation may be helpful in estimating the required volume:

$$\text{ML needed} = \frac{\text{Target PCV} - \text{Recipient PCV} \times \text{KG} \times \text{n}}{\text{Donor PCV}}$$

n = 90 for dogs / 60 for cats

Donor PCV can be estimated at 60-65% for PRBC products

*This equation serves as a starting point only. The need for further transfusions should be based upon clinical response and post-transfusion laboratory values.